Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled data based on original data using

LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-State Lighting Products

Test Report Prepared for

Cooper Lighting Solutions

(formerly Eaton)

Brand: McGRAW-EDISON

Report Number: P386497

Luminaire Tested: **GPC-SA2A-830-U-SL2**

Issue Date: 3/3/2020

Report Generated By 670245982

Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report

Test Information

Test Method:	LM-79-08
Report Number:	P386497
	TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-20)
Test Lab:	INNOVATION CENTER
Issue Date:	3/3/2020
Manufacturer:	COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line:	McGRAW-EDISON
Catalog Number:	GPC-SA2A-830-U-SL2
Description:	GALLEON PEDESTRIAN LUMINAIRE
	(2) 80 CRI, 3000K, 615mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II SPILL LIGHT ELIMINATOR OPTICS
Light Source:	-
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	7571 lumens
Efficiency:	N/A
Efficacy:	114.7 lumens/watt
Luminous Opening:	Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification:	Type III - Medium
BUG Rating:	B1 - U0 - G3

Input Watts (W):	66
Input Voltage (V):	NR
Input Current (Ain):	NR
Voltage Rise (V):	NR
Power Factor:	NR
Total Harmonic Distortion (THDi):	NR
Frequency (hertz):	60
Stabilization Time:	NR
Operation Time:	NR
Ambient Temperature (°C):	NR
Test Distance:	28.75 FT

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REPORT NUMBER: P386497
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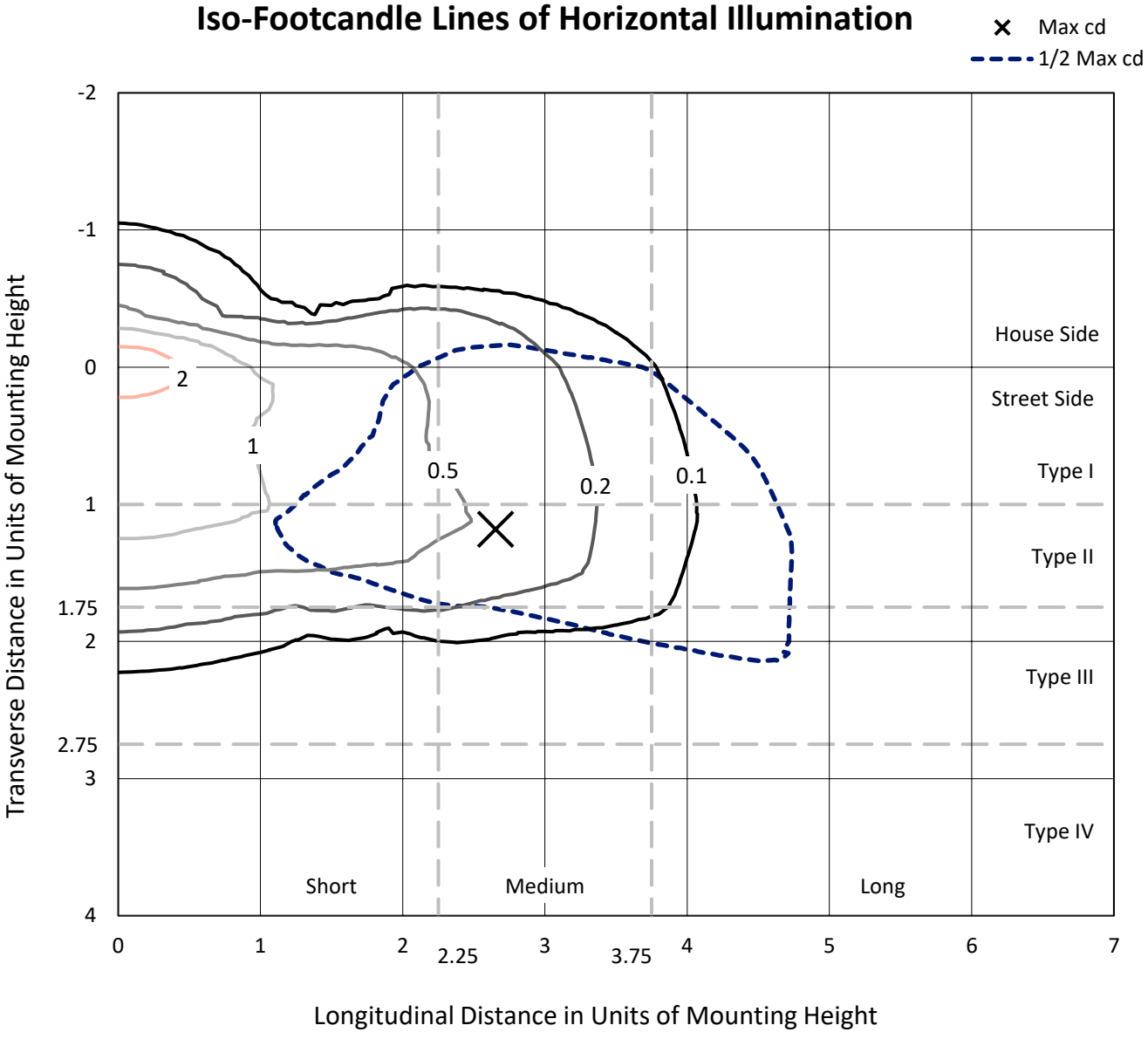
Iso-Footcandle Lines of Horizontal Illumination



Based on 25 foot mounting height. Maximum calculated value = 2.8 fc
Type III - Medium - N/A

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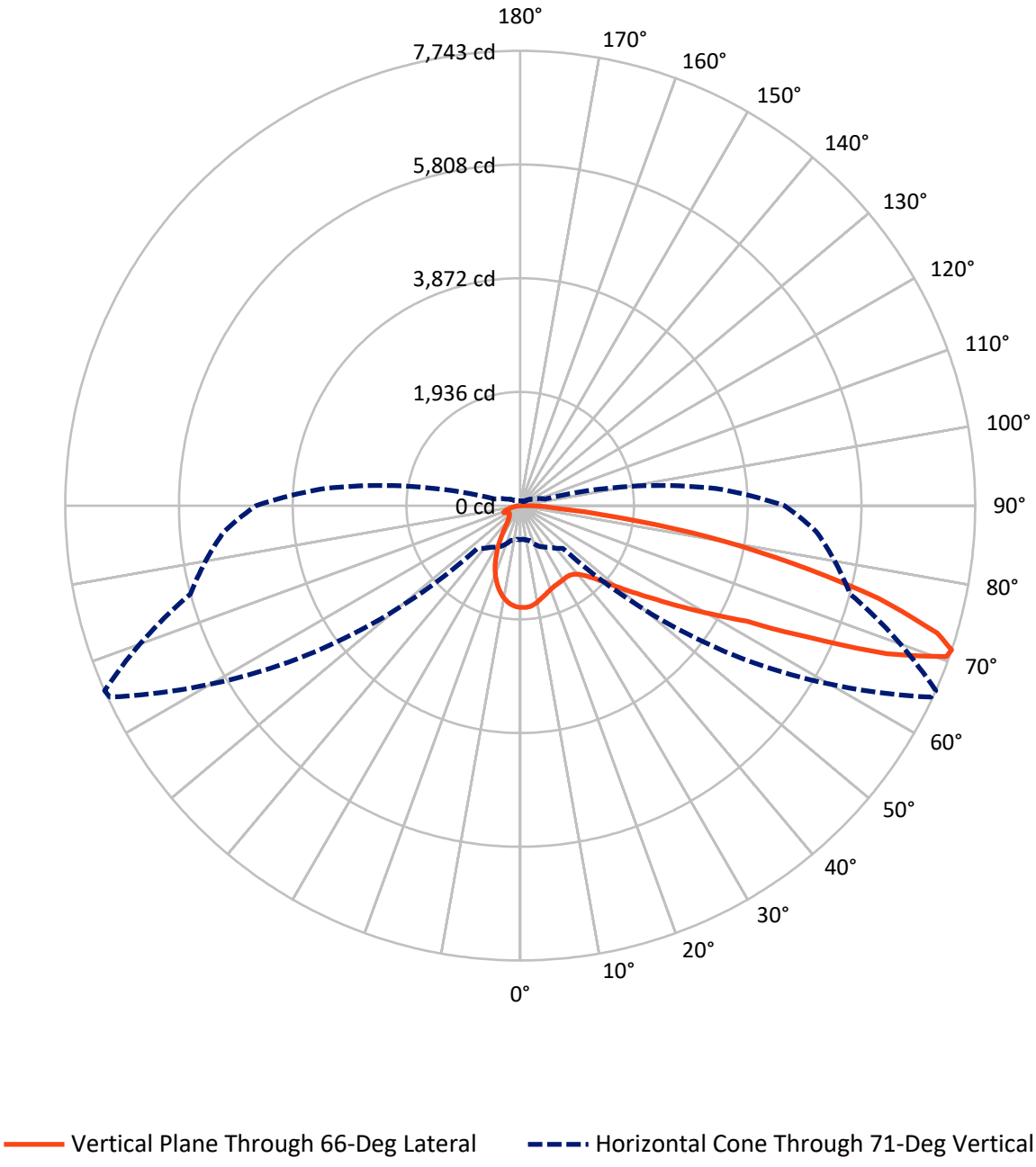
Luminous Intensity Polar Plot



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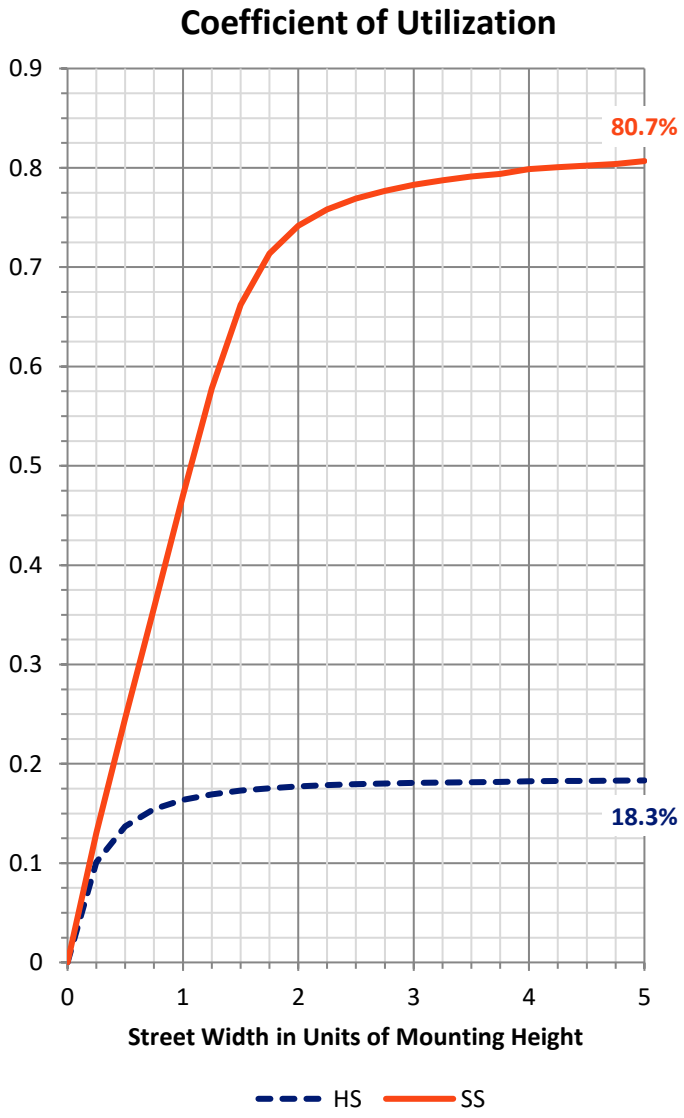
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1403.1	0.0	1403.1
	% Fixture	18.5	0.0	18.5
Street Side	Lumens	6167.9	0.0	6167.9
	% Fixture	81.5	0.0	81.5
Total	Lumens	7571.0	0.0	7571.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	152.7	2.0
10°-20°	366.2	4.8
20°-30°	491.8	6.5
30°-40°	647.0	8.5
40°-50°	941.2	12.4
50°-60°	1470.3	19.4
60°-70°	1841.8	24.3
70°-80°	1404.9	18.6
80°-90°	255.1	3.4
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	7571.0	100.0
0°-180°	7571.0	100.0



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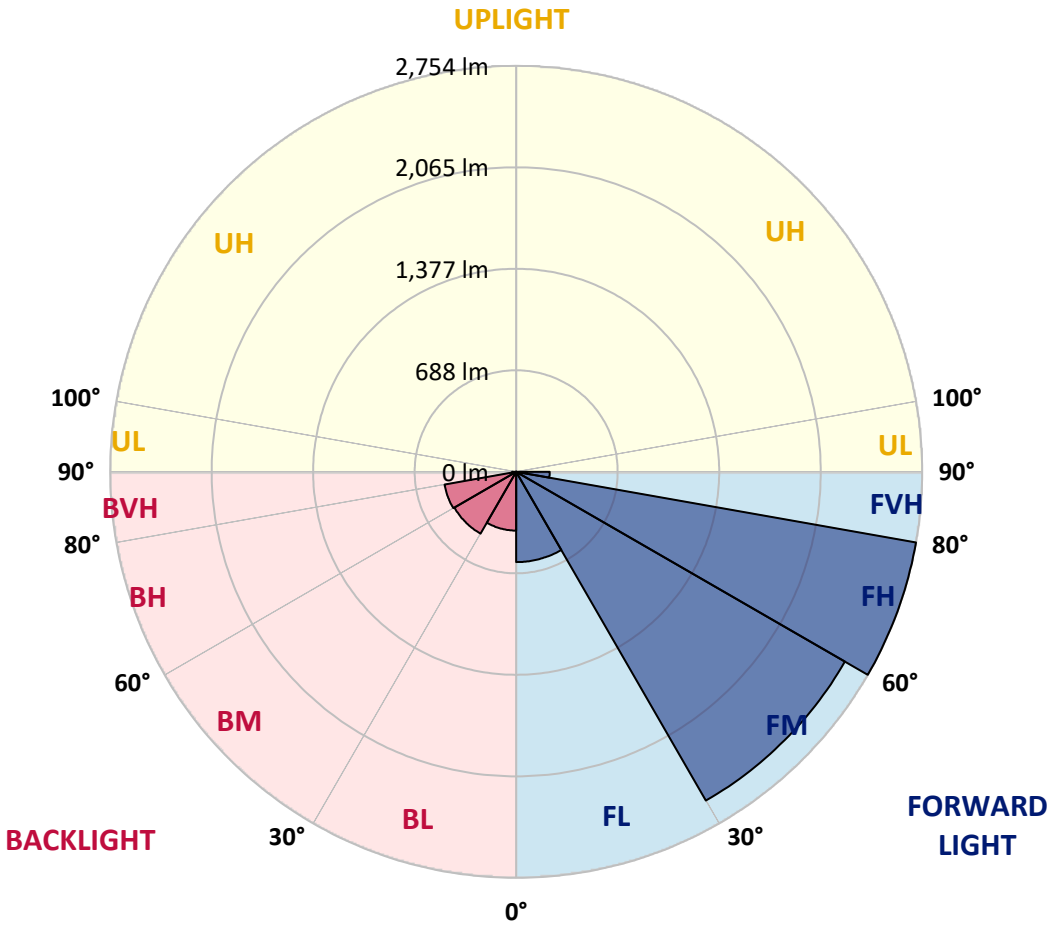
LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	612.2	8.1			
FM	(30°-60°)	2574.5	34.0			
FH	(60°-80°)	2753.7	36.4			G2/5000
FVH	(80°-90°)	227.5	3.0			G3/500
BL	(0°-30°)	398.4	5.3	B1/500		
BM	(30°-60°)	484.0	6.4	B1/1000		
BH	(60°-80°)	493.0	6.5	B1/500		G1/500
BVH	(80°-90°)	27.6	0.4			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G3
Type III Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°	85°
0°	1734.4	1734.4	1734.4	1734.4	1734.4	1734.4	1734.4	1734.4	*1734.4*	1734.4	1734.4
2.5°	1702.2	1699.6	1707.4	1715.5	1718.7	1723.9	1731.8	1736.2	*1735.9*	1736.7	1734.1
5°	1589.3	1585.9	1601.6	1614.4	1639.0	1666.7	1700.4	1724.4	*1725.0*	1738.6	1742.2
7.5°	1482.4	1480.0	1498.1	1518.7	1547.2	1589.6	1644.2	1695.9	*1699.1*	1735.9	1748.7
10°	1396.6	1396.1	1413.6	1436.1	1469.3	1516.6	1579.4	1655.2	*1659.9*	1723.4	1749.8
12.5°	1329.7	1330.8	1345.9	1371.6	1406.6	1456.0	1523.9	1609.4	*1617.0*	1703.5	1743.8
15°	1280.3	1284.5	1296.8	1322.7	1357.2	1407.4	1477.2	1567.1	*1578.6*	1681.3	1740.4
17.5°	1252.1	1256.8	1265.4	1286.9	1319.3	1367.6	1433.8	1532.3	*1542.8*	1664.3	1740.6
20°	1243.7	1247.6	1252.6	1265.7	1293.1	1337.0	1399.5	1500.9	*1512.2*	1650.7	1743.3
22.5°	1260.2	1263.1	1263.6	1262.5	1279.3	1315.1	1374.7	1477.9	*1490.0*	1641.8	1745.1
25°	1295.5	1299.4	1296.5	1286.9	1281.4	1303.3	1361.9	1462.8	*1474.8*	1635.3	1741.4
27.5°	1348.5	1349.1	1346.7	1334.2	1308.3	1304.6	1358.0	1453.9	*1465.4*	1627.7	1733.8
30°	1420.7	1424.1	1419.9	1402.9	1360.6	1325.5	1362.7	1445.3	*1455.7*	1618.0	1721.6
32.5°	1505.1	1513.5	1513.2	1495.5	1434.8	1372.3	1382.0	1440.0	*1448.1*	1607.9	1706.7
35°	1592.7	1604.2	1625.6	1618.0	1543.0	1446.3	1419.1	1448.4	*1453.9*	1606.5	1696.2
37.5°	1683.7	1695.2	1739.3	1759.7	1671.9	1552.2	1477.7	1477.9	*1480.6*	1622.5	1695.4
40°	1778.8	1791.1	1857.5	1910.6	1838.9	1686.3	1572.0	1539.6	*1536.8*	1661.7	1710.8
42.5°	1912.1	1923.1	2002.8	2070.5	2024.3	1858.0	1702.5	1634.8	*1628.8*	1738.6	1760.2
45°	2080.7	2090.1	2174.8	2247.2	2223.4	2054.1	1866.4	1765.7	*1764.7*	1866.6	1860.4
47.5°	2281.2	2288.5	2364.6	2434.7	2443.3	2279.6	2072.4	1967.8	*1950.8*	2042.3	2015.4
50°	2490.1	2498.2	2549.9	2625.2	2689.3	2581.6	2337.4	2215.3	*2192.6*	2274.2	2234.9
52.5°	2628.3	2639.1	2684.0	2779.4	2965.8	2912.5	2650.8	2515.4	*2480.9*	2555.2	2525.1
55°	2566.7	2590.7	2659.5	2812.4	3187.0	3418.0	3037.4	2865.4	*2826.5*	2888.2	2870.4
57.5°	2286.2	2319.1	2413.0	2649.0	3218.1	3863.4	3621.9	3277.7	*3250.2*	3232.4	3240.5
60°	1773.6	1805.2	1921.5	2229.2	3001.4	4188.6	4501.5	3785.8	*3746.1*	3578.0	3585.3
62.5°	1255.2	1239.3	1319.0	1544.1	2438.8	4226.8	5502.4	4465.4	*4334.7*	3942.9	3910.8
65°	957.2	953.6	989.4	1061.0	1477.2	3770.1	6098.7	5607.8	*5403.6*	4372.1	4296.3
67.5°	786.5	780.0	815.3	919.6	951.2	2432.3	6111.7	6933.0	*6732.5*	4906.4	4742.3
70°	646.7	639.4	672.3	806.9	879.1	1233.5	5143.8	7709.1	*7698.4*	5582.9	5078.9
71°	*579.8*	*574.6*	*614.0*	*763.5*	*863.7*	*1028.1*	*4441.1*	*7711.2*	*7743.4*	*5811.9*	*5059.1*
72.5°	472.1	473.9	515.7	679.6	852.2	907.8	3264.1	7351.8	*7419.8*	6030.2	4878.5
75°	313.7	315.2	370.1	522.8	826.3	888.2	1794.0	6169.0	*6293.9*	5899.5	4451.6
77.5°	210.7	210.2	247.5	358.6	719.9	888.2	1051.9	4613.9	*4751.2*	4694.2	3431.9
80°	145.1	144.0	170.4	247.5	545.0	898.9	813.2	3233.5	*3275.0*	2535.0	1394.8
82.5°	88.9	89.7	111.4	174.9	370.9	809.0	767.7	1763.1	*1717.9*	711.0	348.4
85°	51.0	50.7	71.1	118.4	238.1	682.8	748.6	758.8	*696.1*	214.1	126.0
87.5°	18.3	19.6	38.2	65.6	136.4	475.5	635.2	394.7	*355.8*	96.7	57.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	*0.0*	0.0	0.0

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Scaled Data Report

REPORT NUMBER: P386497
CATALOG NUMBER: GPC-SA2A-830-U-SL2

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1734.4	1734.4	1734.4	1734.4	1734.4	1734.4	1734.4	1734.4	1734.4	1734.4	1734.4
2.5°	1732.3	1733.8	1732.0	1721.6	1712.7	1698.3	1690.2	1679.0	1675.6	1674.0	1678.2
5°	1738.8	1739.3	1723.9	1696.5	1665.6	1629.3	1603.1	1571.0	1555.8	1549.3	1553.5
7.5°	1744.8	1742.5	1708.8	1656.2	1599.2	1536.0	1479.8	1428.3	1398.2	1385.9	1387.0
10°	1745.6	1735.7	1681.6	1600.3	1511.9	1419.1	1332.9	1253.4	1203.2	1170.5	1180.5
12.5°	1737.5	1720.8	1641.6	1527.9	1405.3	1278.8	1162.2	1043.0	971.4	938.2	939.2
15°	1731.2	1700.9	1592.4	1442.7	1278.0	1110.4	951.2	811.1	734.8	700.8	684.9
17.5°	1726.0	1679.5	1535.4	1346.7	1127.7	915.2	723.8	598.9	557.0	547.1	542.9
20°	1718.7	1656.7	1471.9	1235.6	956.5	696.6	528.5	466.9	467.1	478.6	480.2
22.5°	1708.5	1630.9	1404.2	1110.9	772.7	507.4	414.3	396.5	414.6	436.5	440.5
25°	1693.3	1600.3	1328.9	973.2	589.2	390.0	353.9	353.1	375.1	398.1	401.5
27.5°	1671.9	1560.3	1245.3	825.2	434.2	331.5	317.1	322.6	338.8	355.5	356.8
30°	1643.1	1513.8	1153.0	669.2	340.3	295.1	293.5	298.5	308.4	320.2	321.3
32.5°	1611.5	1466.4	1054.5	518.1	291.5	275.5	277.1	279.4	284.1	288.8	289.9
35°	1582.8	1418.1	953.6	393.7	268.2	262.7	261.7	261.1	261.7	260.1	260.4
37.5°	1564.2	1378.1	848.5	313.4	254.9	251.5	248.3	244.4	240.0	237.3	237.9
40°	1557.4	1348.3	742.1	270.8	243.9	241.5	235.5	227.2	221.9	220.4	220.4
42.5°	1575.7	1332.9	639.4	249.4	234.7	230.8	220.9	211.2	207.3	207.0	206.8
45°	1631.6	1339.1	541.6	237.6	226.4	218.8	205.7	197.6	195.0	195.5	195.3
47.5°	1732.0	1378.6	458.0	229.8	218.0	208.1	193.4	186.9	183.8	183.8	184.0
50°	1902.7	1470.9	391.3	223.2	210.9	198.1	184.5	176.4	172.3	172.0	172.0
52.5°	2151.3	1636.1	349.7	217.7	203.1	189.3	175.7	165.5	160.5	159.5	158.9
55°	2462.9	1872.9	338.2	214.1	192.6	179.6	164.9	154.7	149.3	146.9	146.6
57.5°	2811.3	2161.0	361.0	209.6	181.9	168.1	153.2	143.5	137.8	134.9	134.6
60°	3164.0	2475.4	453.8	203.4	173.0	155.5	141.2	132.3	126.5	123.4	122.9
62.5°	3517.1	2806.9	643.3	202.8	166.8	143.5	128.9	121.3	115.8	112.4	111.6
65°	3915.5	3169.7	858.7	216.7	164.7	132.5	116.3	110.3	105.6	102.5	102.2
67.5°	4372.9	3579.3	838.0	245.2	171.7	122.6	104.6	99.9	96.5	93.8	93.6
70°	4587.5	3515.3	521.0	265.3	181.7	112.9	93.3	89.9	87.3	85.5	84.7
71°	*4497.6*	*3337.8*	*436.8*	*263.0*	*180.6*	*108.7*	*88.9*	*86.3*	*83.6*	*82.1*	*81.3*
72.5°	4252.4	3044.0	364.4	244.7	168.9	101.2	83.1	80.5	78.2	76.3	75.8
75°	3815.9	2718.5	291.7	195.5	134.6	85.5	72.9	70.1	68.2	67.2	66.1
77.5°	2805.1	1940.1	225.6	154.5	99.1	69.8	62.2	60.1	58.3	56.7	55.9
80°	1074.6	751.5	151.9	115.3	72.7	55.2	50.2	49.1	47.3	46.3	46.3
82.5°	289.4	224.5	81.0	69.8	48.6	40.3	38.4	37.9	36.3	34.2	34.5
85°	117.1	99.1	45.5	38.4	29.8	23.8	25.9	26.1	24.3	21.7	22.0
87.5°	51.5	42.1	25.4	17.0	13.1	9.1	11.8	11.8	10.7	8.9	8.1
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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LM-79-2019: Approved Method: Electrical and Photometric Measurements of Solid-State Lighting Products

Report Prepared for

Cooper Lighting Solutions

MCGRAW EDISON

Report Number: SP1-2408-195-9

Test Date: 08/07/2024

Luminaire Tested: GALN-SB1A-830-U-5WQ

Data in this report applies to families of products including GALN-SB1A-830-U-5WQ.

Report Generated By FNC07603 / LDUCLS01DT446
Version: v7.04

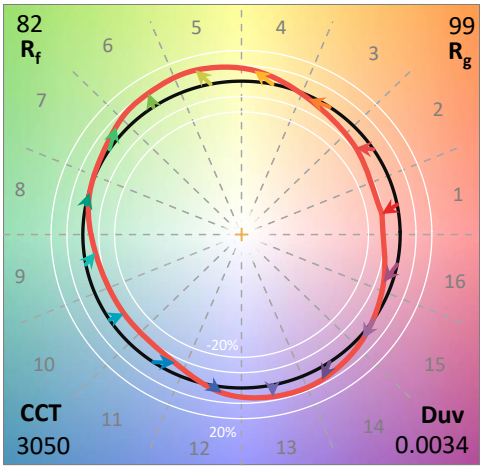
Test Information

Test Method:	LM-79-2019
Report Number:	SP1-2408-195-9
Test Lab:	COOPER LIGHTING SOLUTIONS
Photometer:	SP1 - 76IN SPHERE
Measurement Geometry:	4π
Issue Date:	08/07/2024
Manufacturer:	COOPER LIGHTING SOLUTIONS
Product Line:	MCGRAW EDISON
Catalog Number:	**GALN-SB1A-830-U-5WQ**
Description:	GALLEON AREA AND ROADWAY LUMINAIRE. (1) 80 CRI, 3000K, 350MA HIGH DENSITY LIGHTSQUARE WITH 26 LEDS AND TYPE V WIDE OPTICS

Spectral Parameters

CCT (K):	3050	CRI (Ra):	81.0		
CIE u':	0.2476	R1:	79.6	R9:	7.1
CIE v':	0.5251	R2:	85.6	R10:	67.0
Duv:	0.0034	R3:	92.0	R11:	82.7
CIE x:	0.4383	R4:	82.6	R12:	63.2
CIE y:	0.4131	R5:	78.9	R13:	80.3
CIE z:	0.1487	R6:	81.7	R14:	95.0
Peak Wavelength (nm):	603	R7:	85.2	R15:	71.7
Dominant Wavelength (nm):	581	R8:	62.0		
Purity:	55.55201				

Rf:	81.5
Rg:	99.2



Test Conditions

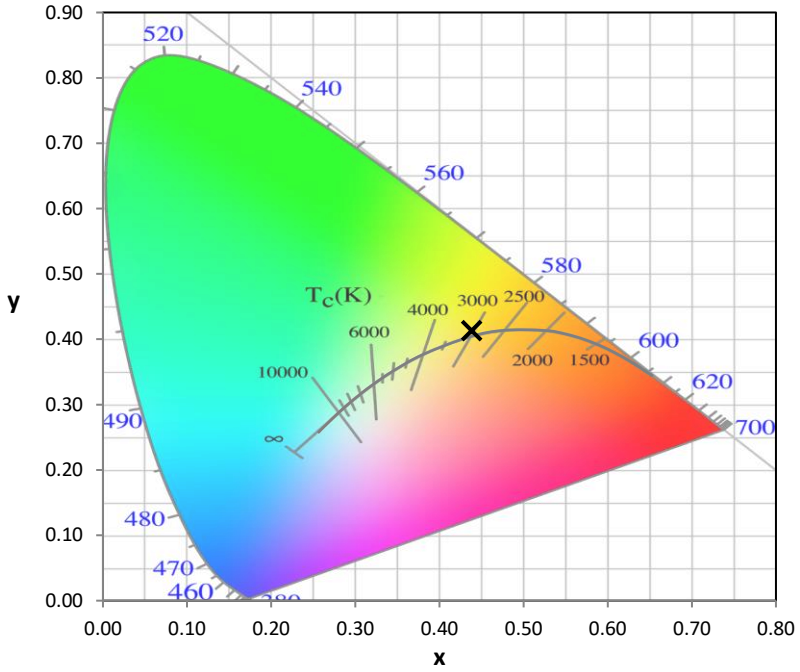
Stabilization Time:	20M
Operation Time:	1H 20M
Sphere Temperature (°C):	24.2

REPORT NUMBER: SP1-2408-195-9

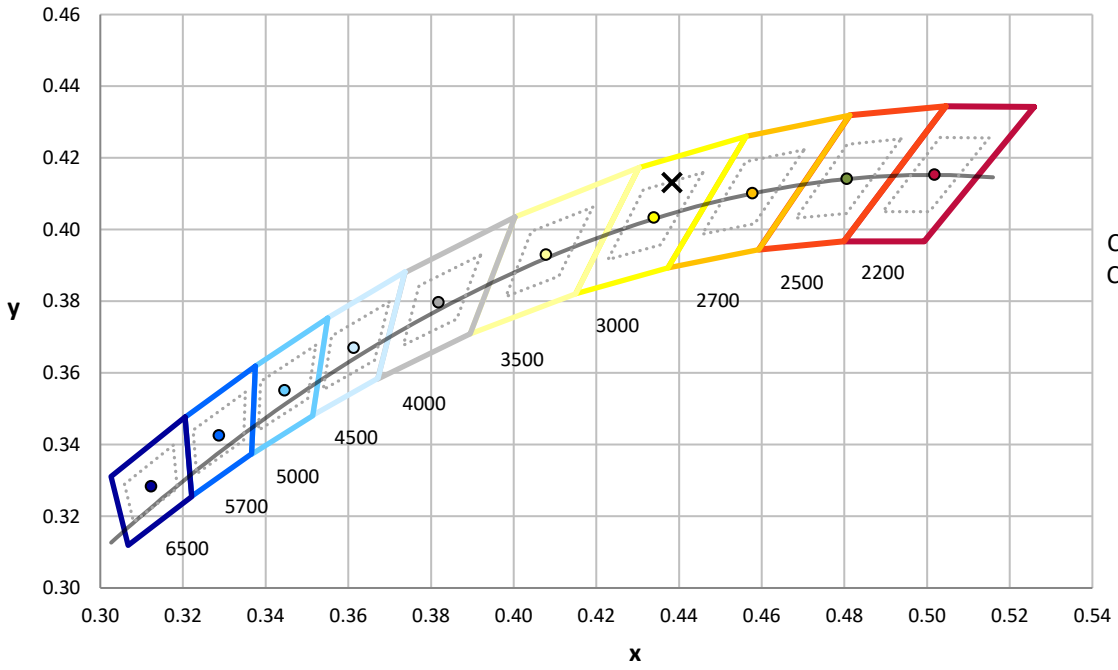
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085	10/24/2023	10/24/2024
Room Thermometer	IN0046	10/24/2023	10/24/2024

REPORT NUMBER: SP1-2408-195-9

CIE 1931 Chromaticity Diagram



CIE 1931 Chromaticity Diagram with 2017 ANSI 7-Step and 4-Step Quadrangles



CCT = 3050K
CIE x = 0.4383
CIE y = 0.4131
Duv = 0.0034

Point lies inside the ANSI 3000K 4-step quadrangle

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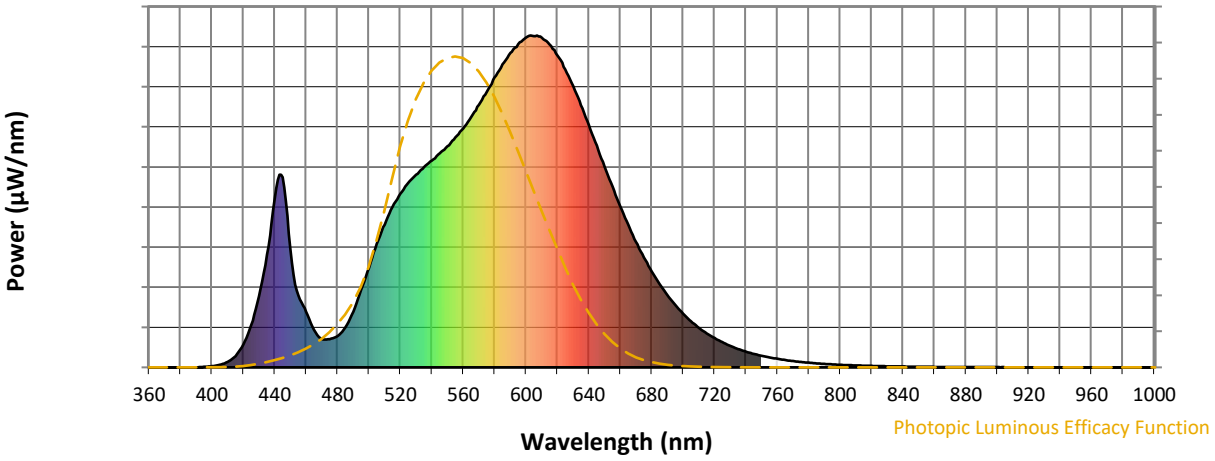
Photopic Flux vs. Wavelength



Photopic Lumens: NR

λ (nm)	Power W^/nm	Lumens (ϕ/nm)	λ (nm)	Power W^/nm	Lumens (ϕ/nm)	λ (nm)	Power W^/nm	Lumens (ϕ/nm)	λ (nm)	Power W^/nm	Lumens (ϕ/nm)	λ (nm)	Power W^/nm	Lumens (ϕ/nm)
360	0	NR	490	168	NR	620	940	NR	750	35	NR	880	1	NR
365	0	NR	495	233	NR	625	897	NR	755	30	NR	885	1	NR
370	0	NR	500	300	NR	630	847	NR	760	26	NR	890	1	NR
375	0	NR	505	372	NR	635	790	NR	765	22	NR	895	1	NR
380	0	NR	510	430	NR	640	730	NR	770	19	NR	900	1	NR
385	0	NR	515	483	NR	645	668	NR	775	16	NR	905	1	NR
390	0	NR	520	524	NR	650	605	NR	780	14	NR	910	0	NR
395	2	NR	525	555	NR	655	545	NR	785	12	NR	915	0	NR
400	4	NR	530	581	NR	660	485	NR	790	10	NR	920	0	NR
405	7	NR	535	604	NR	665	430	NR	795	9	NR	925	0	NR
410	17	NR	540	623	NR	670	378	NR	800	8	NR	930	0	NR
415	34	NR	545	645	NR	675	331	NR	805	7	NR	935	0	NR
420	68	NR	550	667	NR	680	290	NR	810	6	NR	940	0	NR
425	128	NR	555	693	NR	685	251	NR	815	5	NR	945	0	NR
430	214	NR	560	719	NR	690	218	NR	820	4	NR	950	0	NR
435	339	NR	565	754	NR	695	188	NR	825	4	NR	955	0	NR
440	507	NR	570	791	NR	700	162	NR	830	3	NR	960	0	NR
445	573	NR	575	830	NR	705	139	NR	835	3	NR	965	0	NR
450	356	NR	580	873	NR	710	119	NR	840	3	NR	970	0	NR
455	217	NR	585	913	NR	715	102	NR	845	2	NR	975	0	NR
460	168	NR	590	948	NR	720	88	NR	850	2	NR	980	0	NR
465	113	NR	595	974	NR	725	76	NR	855	2	NR	985	0	NR
470	85	NR	600	994	NR	730	65	NR	860	1	NR	990	0	NR
475	85	NR	605	998	NR	735	55	NR	865	1	NR	995	0	NR
480	94	NR	610	994	NR	740	47	NR	870	1	NR	1000	0	NR
485	120	NR	615	973	NR	745	41	NR	875	1	NR			

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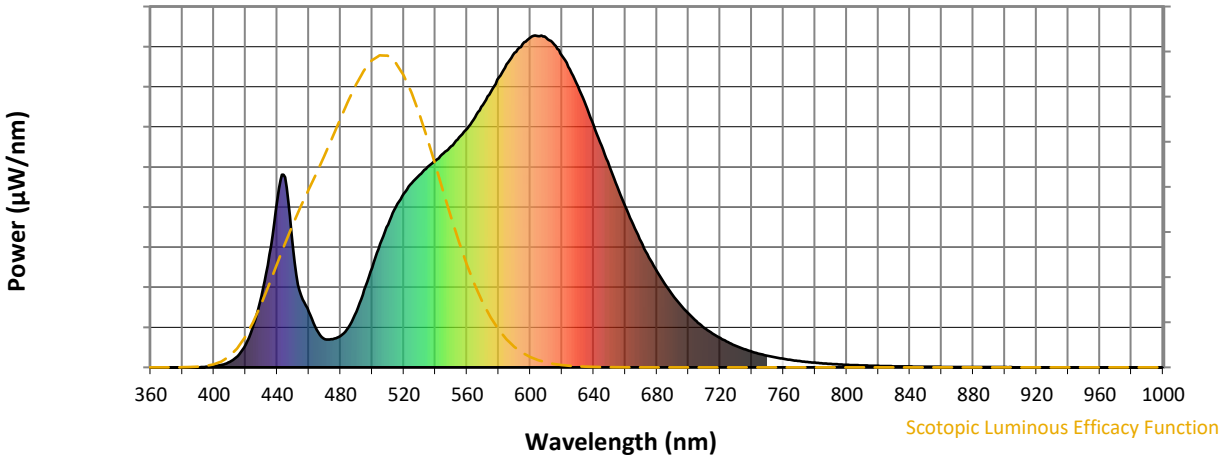
Scotopic Flux vs. Wavelength



Scotopic Lumens: NR **S/P: 1.27**

λ (nm)	Power W^/nm	Lumens (ϕ/nm)	λ (nm)	Power W^/nm	Lumens (ϕ/nm)	λ (nm)	Power W^/nm	Lumens (ϕ/nm)	λ (nm)	Power W^/nm	Lumens (ϕ/nm)	λ (nm)	Power W^/nm	Lumens (ϕ/nm)
360	0	NR	490	168	NR	620	940	NR	750	35	NR	880	1	NR
365	0	NR	495	233	NR	625	897	NR	755	30	NR	885	1	NR
370	0	NR	500	300	NR	630	847	NR	760	26	NR	890	1	NR
375	0	NR	505	372	NR	635	790	NR	765	22	NR	895	1	NR
380	0	NR	510	430	NR	640	730	NR	770	19	NR	900	1	NR
385	0	NR	515	483	NR	645	668	NR	775	16	NR	905	1	NR
390	0	NR	520	524	NR	650	605	NR	780	14	NR	910	0	NR
395	2	NR	525	555	NR	655	545	NR	785	12	NR	915	0	NR
400	4	NR	530	581	NR	660	485	NR	790	10	NR	920	0	NR
405	7	NR	535	604	NR	665	430	NR	795	9	NR	925	0	NR
410	17	NR	540	623	NR	670	378	NR	800	8	NR	930	0	NR
415	34	NR	545	645	NR	675	331	NR	805	7	NR	935	0	NR
420	68	NR	550	667	NR	680	290	NR	810	6	NR	940	0	NR
425	128	NR	555	693	NR	685	251	NR	815	5	NR	945	0	NR
430	214	NR	560	719	NR	690	218	NR	820	4	NR	950	0	NR
435	339	NR	565	754	NR	695	188	NR	825	4	NR	955	0	NR
440	507	NR	570	791	NR	700	162	NR	830	3	NR	960	0	NR
445	573	NR	575	830	NR	705	139	NR	835	3	NR	965	0	NR
450	356	NR	580	873	NR	710	119	NR	840	3	NR	970	0	NR
455	217	NR	585	913	NR	715	102	NR	845	2	NR	975	0	NR
460	168	NR	590	948	NR	720	88	NR	850	2	NR	980	0	NR
465	113	NR	595	974	NR	725	76	NR	855	2	NR	985	0	NR
470	85	NR	600	994	NR	730	65	NR	860	1	NR	990	0	NR
475	85	NR	605	998	NR	735	55	NR	865	1	NR	995	0	NR
480	94	NR	610	994	NR	740	47	NR	870	1	NR	1000	0	NR
485	120	NR	615	973	NR	745	41	NR	875	1	NR			

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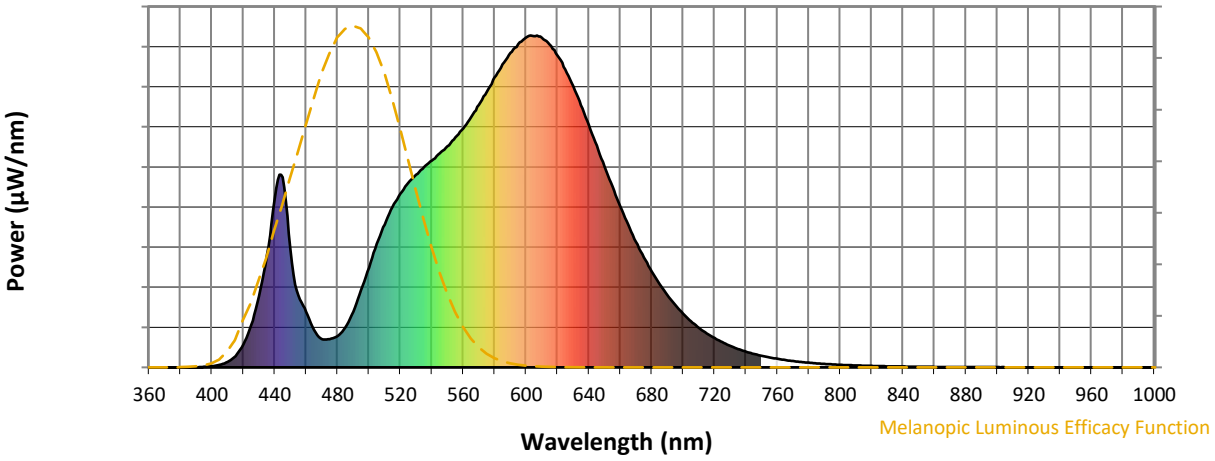
Melanopic Flux vs. Wavelength



Melanopic Lumens: NR **M/P: 2.32**

λ (nm)	Power W^/nm	Lumens (ϕ/nm)	λ (nm)	Power W^/nm	Lumens (ϕ/nm)	λ (nm)	Power W^/nm	Lumens (ϕ/nm)	λ (nm)	Power W^/nm	Lumens (ϕ/nm)	λ (nm)	Power W^/nm	Lumens (ϕ/nm)
360	0	NR	490	168	NR	620	940	NR	750	35	NR	880	1	NR
365	0	NR	495	233	NR	625	897	NR	755	30	NR	885	1	NR
370	0	NR	500	300	NR	630	847	NR	760	26	NR	890	1	NR
375	0	NR	505	372	NR	635	790	NR	765	22	NR	895	1	NR
380	0	NR	510	430	NR	640	730	NR	770	19	NR	900	1	NR
385	0	NR	515	483	NR	645	668	NR	775	16	NR	905	1	NR
390	0	NR	520	524	NR	650	605	NR	780	14	NR	910	0	NR
395	2	NR	525	555	NR	655	545	NR	785	12	NR	915	0	NR
400	4	NR	530	581	NR	660	485	NR	790	10	NR	920	0	NR
405	7	NR	535	604	NR	665	430	NR	795	9	NR	925	0	NR
410	17	NR	540	623	NR	670	378	NR	800	8	NR	930	0	NR
415	34	NR	545	645	NR	675	331	NR	805	7	NR	935	0	NR
420	68	NR	550	667	NR	680	290	NR	810	6	NR	940	0	NR
425	128	NR	555	693	NR	685	251	NR	815	5	NR	945	0	NR
430	214	NR	560	719	NR	690	218	NR	820	4	NR	950	0	NR
435	339	NR	565	754	NR	695	188	NR	825	4	NR	955	0	NR
440	507	NR	570	791	NR	700	162	NR	830	3	NR	960	0	NR
445	573	NR	575	830	NR	705	139	NR	835	3	NR	965	0	NR
450	356	NR	580	873	NR	710	119	NR	840	3	NR	970	0	NR
455	217	NR	585	913	NR	715	102	NR	845	2	NR	975	0	NR
460	168	NR	590	948	NR	720	88	NR	850	2	NR	980	0	NR
465	113	NR	595	974	NR	725	76	NR	855	2	NR	985	0	NR
470	85	NR	600	994	NR	730	65	NR	860	1	NR	990	0	NR
475	85	NR	605	998	NR	735	55	NR	865	1	NR	995	0	NR
480	94	NR	610	994	NR	740	47	NR	870	1	NR	1000	0	NR
485	120	NR	615	973	NR	745	41	NR	875	1	NR			

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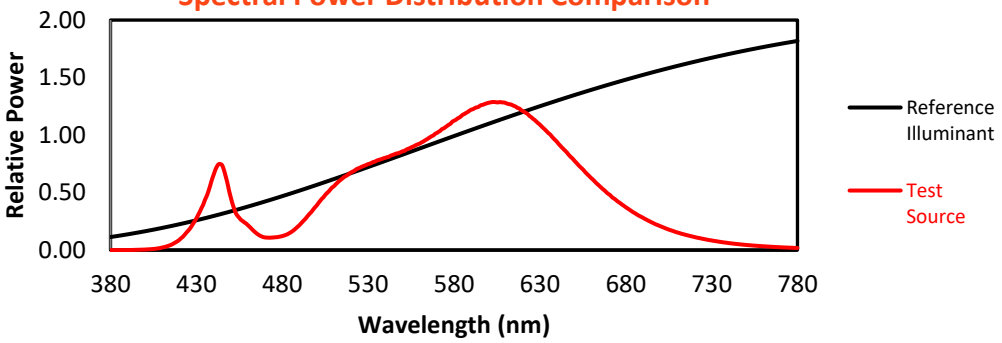
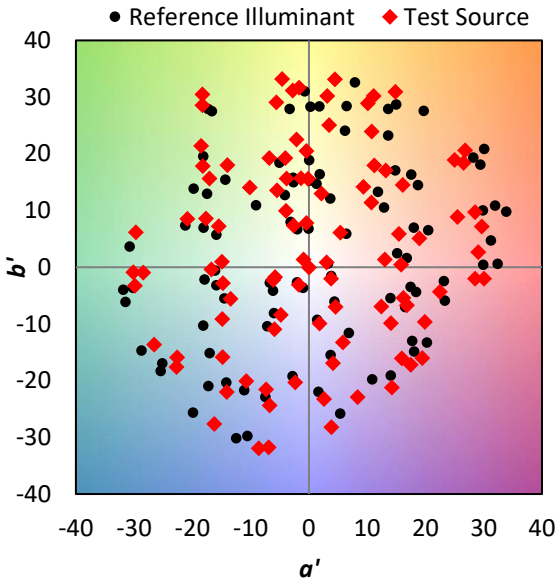
Summary

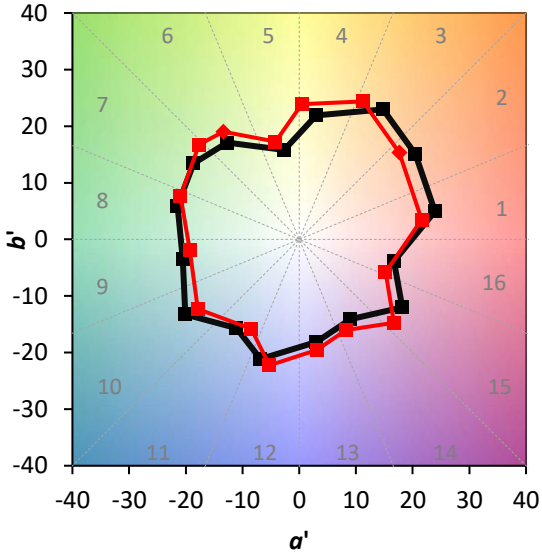
R_f = 81.5
R_g = 99.2
CIE R_a = 81.0
R_9 = 7.1

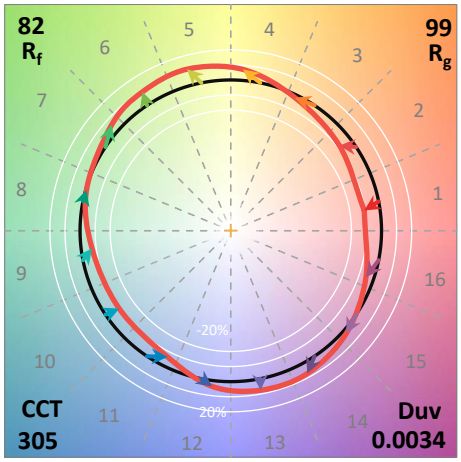
Spectral Power Distribution Comparison

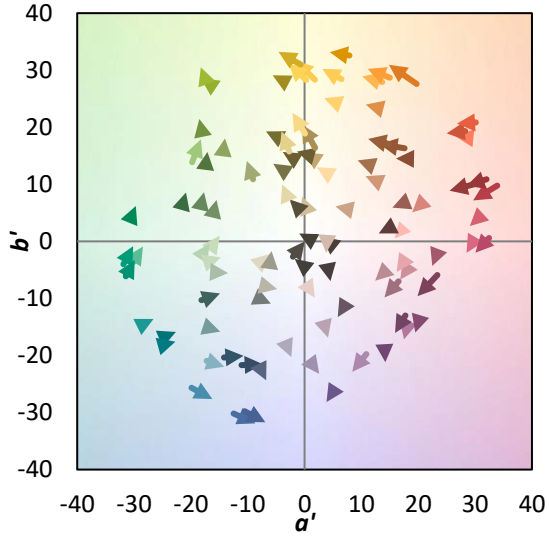


Color Vector Graphics









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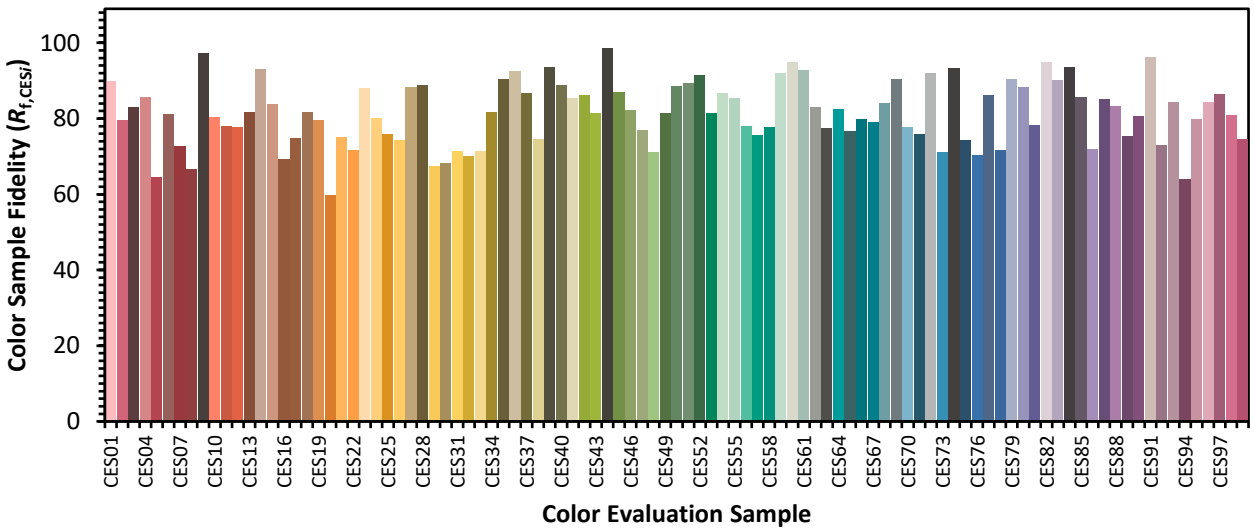
Individual Sample Fidelity Index ($R_{f,i}$)

CES01 = 86	CES26 = 74	CES51 = 89	CES76 = 70
CES02 = 63	CES27 = 88	CES52 = 92	CES77 = 86
CES03 = 31	CES28 = 89	CES53 = 81	CES78 = 72
CES04 = 70	CES29 = 67	CES54 = 87	CES79 = 90
CES05 = 50	CES30 = 68	CES55 = 85	CES80 = 88
CES06 = 51	CES31 = 71	CES56 = 78	CES81 = 78
CES07 = 42	CES32 = 70	CES57 = 76	CES82 = 95
CES08 = 41	CES33 = 71	CES58 = 78	CES83 = 90
CES09 = 29	CES34 = 82	CES59 = 92	CES84 = 94
CES10 = 76	CES35 = 90	CES60 = 95	CES85 = 86
CES11 = 59	CES36 = 93	CES61 = 93	CES86 = 72
CES12 = 65	CES37 = 87	CES62 = 83	CES87 = 85
CES13 = 43	CES38 = 75	CES63 = 77	CES88 = 83
CES14 = 74	CES39 = 94	CES64 = 83	CES89 = 75
CES15 = 71	CES40 = 89	CES65 = 77	CES90 = 81
CES16 = 47	CES41 = 85	CES66 = 80	CES91 = 96
CES17 = 50	CES42 = 86	CES67 = 79	CES92 = 73
CES18 = 56	CES43 = 81	CES68 = 84	CES93 = 84
CES19 = 72	CES44 = 99	CES69 = 91	CES94 = 64
CES20 = 66	CES45 = 87	CES70 = 78	CES95 = 80
CES21 = 87	CES46 = 82	CES71 = 76	CES96 = 84
CES22 = 79	CES47 = 77	CES72 = 92	CES97 = 87
CES23 = 92	CES48 = 71	CES73 = 71	CES98 = 81
CES24 = 91	CES49 = 81	CES74 = 93	CES99 = 74
CES25 = 72	CES50 = 89	CES75 = 74	



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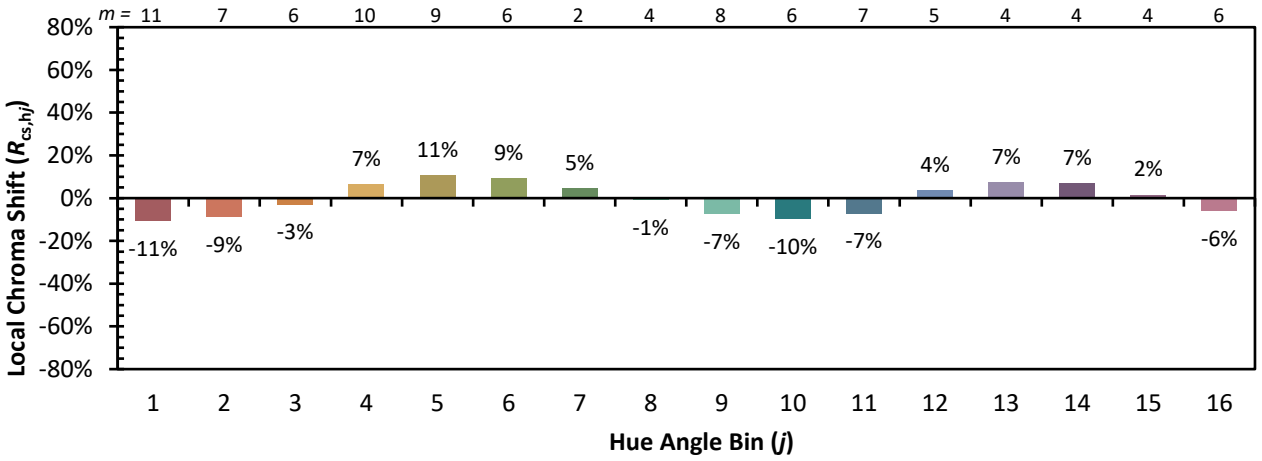
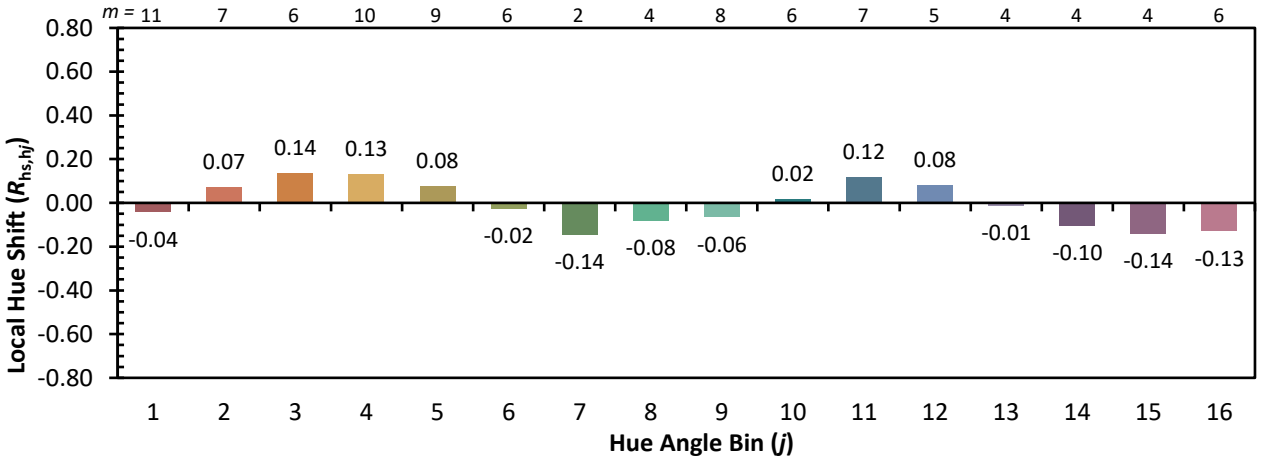
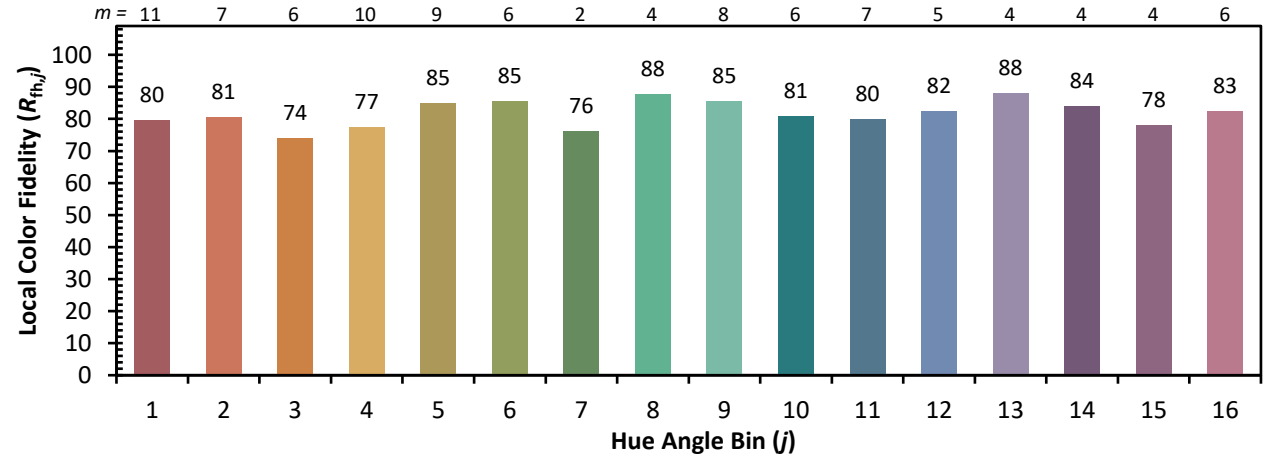
Color Rendition by Hue-Angle Bin







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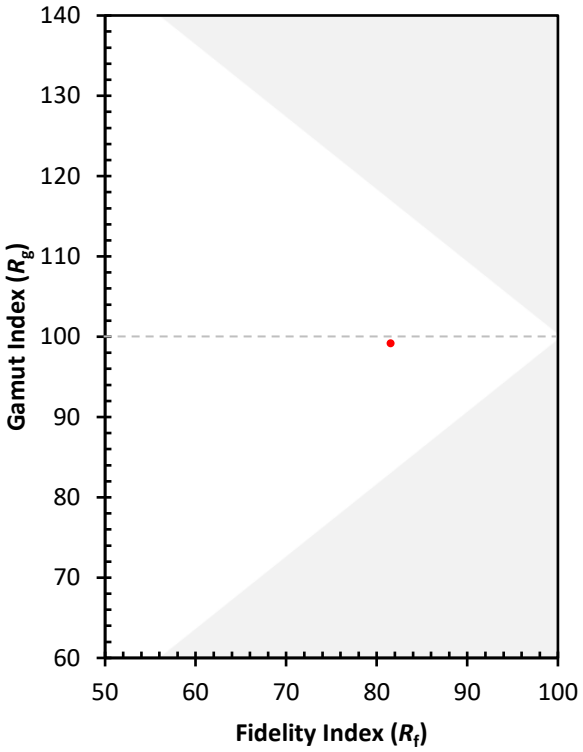
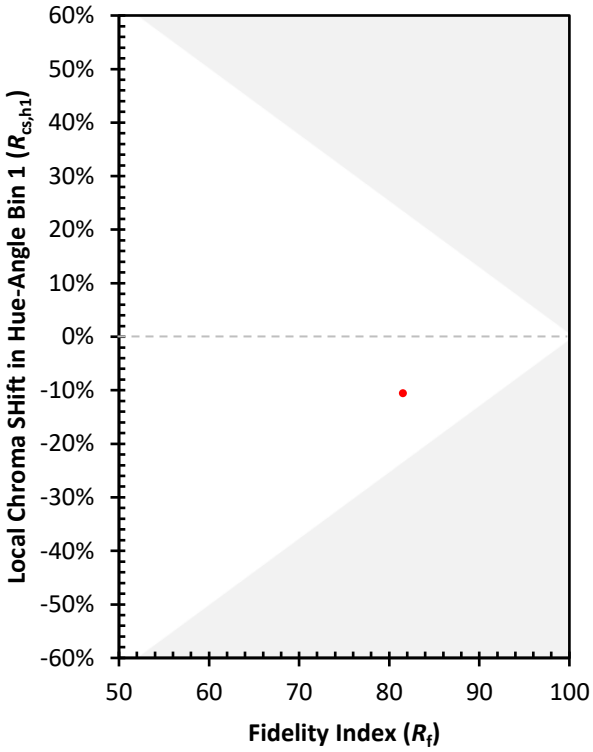
Measure Comparisons





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